BRUHAT BENGALURU MAHANAGARA PALIKE
YELAHANKA ZONE

NAME OF WORK : EMERGENCY WORKS IN WARD NO.02 OF YELAHANKA SUB-DIVISION

Estimate Cost Rs. 10.00 Lakhs

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
1	Removing B.S. slab of Drain and stacking (P No 25 / I N 5.32)								
		Sqm							
	for Drain		2	250.00	0.90		450.00		
			2	210.00	0.90		378.00		
			2	160.00	0.90		288.00		
							1116.00	65.72	**73343.52**
	Basic Rate	62.00							
	Area Weightage @ 6%	3.72							
	Total	**65.72**							
2	KSRRB 300 - Excavation for road, drains and similar works - KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH Chapter 3 (P 142/I 19.1)								
	Desilting for Drain	Cum							
			2	250.00	0.60	0.60	180.00		
			2	210.00	0.60	0.60	151.20		
			2	160.00	0.60	0.60	115.20		
			2	350.00	0.60	0.75	315.00		
							761.40	86.92	**66180.89**
	Basic Rate	82.00							
	Area Weightage @ 6%	4.92							
	Total	**86.92**							
3	Refixing stone slabs of drains and pointing in C.M.(1:3)(P.No 25/I No.5.33)								
		Sqm							
				85% of Qty Vide Item No.1			**948.60**	80.56	**76419.22**
	Basic Rate	76.00							
	Area Weightage @ 6%	4.56							
	Total	**80.56**							
4	Providing and fixing **RCC precast Slabs of 0.10 m thick of CC 1:2:4 with 20 mm** and down size graded granite metal , machine mixed , including cost of all material , labour , HOM of Machinery , curing complete								
		Sqm							
				15% of Qty Vide Item No.1			**167.40**	2100.00	**351540.00**
	Data Rate	**2100.00**							
5	KSRB 2-2.1 **Earth work excavation** for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, **in ordinary soil** not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No.5/Item No. 2.3)								
		Cum							
	for culvert		2	6.00	1.50	1.30	23.40		
	for water supply		2	150.00	0.60	0.75	135.00		
			1	60.00	0.60	0.75	27.00		

	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
							185.40	200.34	37143.04
	Basic Rate	189.00							
	Area Weightage @ 6%	11.34							
	Total	200.34							
6	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications MORTH -100/ Chapter 1 (Page No 133/ Item No 17.1)								
		Cum							
	Qty Vide Item No.2+5						946.80		
	Deduct Refilling soil of Qty Vide Item No 14					(-)	162.00		
							784.80	100.00	78480.00
	Average Weight of Earth 1.28 Tonne/Km								
	Basic Rate Lead Charges for 10.00 Kms (2.50X1.28X10.00)	32.00							
	Add loading and unloading Item No 17.1)	68.00							
	Total	**100.00**							
7	KSRB 4-1.3 Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications Specification No KBS 4.1, 4.2 (P.12/I.4.3)								
		Cum							
	for culvert		2	6.00	1.50	0.15	2.70		
							2.70	5159.02	13929.35
	Basic Rate	4867.00							
	Area Weightage @ 6%	292.02							
	Total	**5159.02**							
8	KSRB 4-1.7 Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs with 20mm and down size graded granite metal coarse aggregate @ 0.84cum and fine aggregate @ 0.56 cum machine mixed concrete laid in layers not exceeding 15cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification No KBS 4.1,4.2 P No 13 / Item No 4.7								
		cum							
	for culvert		2	6.00	0.60	0.10	1.44		
			1	6.00	0.60	0.10	0.72		
							2.16	5598.92	12093.67
	Basic Rate	5282.00							
	Area Weightage @ 6%	316.92							
	Total	**5598.92**							
9	KSRB 5.2.3 Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 (Page No 23/ Item No 5.6)								
		Sqm							

	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	for culvert		2	2 6.00	0.60	0.80	11.52		
							11.52	4438.22	51128.00
	Basic Rate	4187.00							
	Area Weightage @ 6%	251.22							
	Total	4438.22							
10	KSRB 15.1.1 Providing **flush pointing** to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications (Page No.113/Item No. 15.1)								
		Sqm							
			2	2 6.00		0.80	19.20		
							19.20	102.82	1974.00
	Basic Rate	97.00							
	Area Weightage @ 6%	5.82							
	Total	102.82							
11	Providing and fixing **RCC precast Slabs of 0.20 m thick of CC 1:2:4 with 20 mm** and down size graded granite metal , machine mixed , including cost of all material , labour , HOM of Machinery , curing complete								
	for culverts	Sqm							
	covering slab		20	1.80	0.60		21.60		
							21.60	4402.79	95100.00
	Data Rate	4402.79							
12	Providing and fixing to wall, ceiling and floor, high density polyethylene pipes 6.00 kgs/sq.cm working pressure 75mm outside diameter raising mains & exposed distribution pipes with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor including cost all material, labour charges, HOM of equipments and testing complete as per specifications.(P.N 94.I.N.13.73.4)								
		Rmtr							
			2	150			300.00		
							300.00	320.12	96036.00
	Basic Rate	302.00							
	Area Weightage @ 6 %	18.12							
	Total	320.12							
13	Providing and fixing to wall, ceiling and floor, medium density polyethylene pipes 6.00 kgs/sq.cm working pressure **50mm** outside diameter with special flange, compression type fittings, wall clips , making good the wall, ceiling and floor including cost all material, labour charges, HOM of equipments and testing complete as per specifications.(P.N. 93.I.N.13.70.1)								
		Rmtr							
			1	60.00			60.00		
							60.00	278.78	16726.80
	Basic Rate	263.00							
	Area Weightage @ 6 %	15.78							
	Total	278.78							

Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
Refilling available earth around pipelines, cables in layers not exceeding 20cms in depth compacting each deposited layers by ramming after watering lead upto 50m and lift upto 1.5m including cost of labour complete as per specification (P. No.6 I.No.2.11)								
	Cum							
		2	150.00	0.60	0.75	135.00		
		1	60.00	0.60	0.75	27.00		
						162.00	80.56	13050.72
Basic Rate	76.00							
Area Weightage @ 6 %	4.56							
Total	80.56							
15 KSRB 13-6.3.1 Providing and fixing in position brass gate valve with C.I. wheel of approved quality (screwed end) 50 mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications Specification No KBS 13.2.6 / 13.3 (Page No.91/Item No.13.37)								
	Each							
			4			4	2175.12	8700.48
Basic Rate	2052.00							
Area Weightage @ 6 %	123.12							
Total	2175.12							
16 Providing and fixing on position brass bib cock of approved quality 25mm dia nomial bore including cost of all materials labour and HOM of equipments with all leads complete as per specifications (P.N.91 I.N.13.25)								
	Each							
			12			12.00	288.32	3459.84
Basic Rate	272.00							
Area Weightage @ 6 %	16.32							
Total	288.32							
17 Miscellaneous and unforeseen charges	LS							4694.48
						Grand Total Amount		1000000.00

(Rupees Ten Lakhs Only)

CERTIFICATE

1) The site has been inspected and the work is found to be necessary
2) The rates adopted are as per PW,P IWTD SR of 2016-17 and data rate of Bangalore Circle
3) The provisions were made in this estimate are necessary and adequate
4) The area comes under the Bruhat Bengaluru Mahanagara Palike Limits

Assistant Engineer
Ward No.02

Executive Engineer
Yelahanka Division
B.B.M.P

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

Administrative Sanction for Rs. 10.00 lacs
Ten Lakhs only
is accorded under head P.1771-
2016.17
CE/AS/415/16.17 16.2.17

TECHNICALLY SANCTIONED FOR Rs. 10.00 lacs
Ten Lakhs only
P.1771-2016.17
CE/TS/621/16.17
Dated 16.2.2017
10.00 lacs

150 - YELAHANKA AC

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BRUHAT BANGALORE MAHANAGAR PALIKE
WARD: 2- CHOWDESWARI WARD

NOTIFICATION NO. UDD 59 MLR 2009. DATE. 15.07.09